

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: NAJMAN, Laurent Alain et al.  
Appl. No.: NEW Group:  
Filed: February 22, 2002 Examiner:  
For: AUTOMATIC TABLE LOCATION IN DOCUMENTS



INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION CONCURRENT WITH THE  
FILING OF A NEW PATENT APPLICATION)

Assistant Commissioner for Patents  
Washington, DC 20231

February 22, 2002

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- ☒ Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- ☐ This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should be forwarded from the International Search Authority. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE  
(check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached patents, publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☐ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

FEES

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If The Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By  #32,001

Joseph A. Kolasch, #22,463

P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

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Enclosures: ☒ Form PTO-1449(s)  
☒ Documents  
☐ Foreign Search Report  
☐ Fee  
☒ Other: European Search Report

(Rev. 10/31/01)

Form PTO-1449			ATTY DOCKET NO. 0142-0380P		APPLICATION NO. NEW	
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)			APPLICANT NAJMAN, Laurent Alain et al.			
			FILING DATE February 22, 2002		GROUP	

  

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	5,774,584	1998-06-30	Matsumoto et al.			
	5,680,478	1997-10-21	Wang et al.			
	6,137,905	2000-10-24	Takaoka			

  

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO

  

OTHER DOCUMENTS	
(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)	
	ARIAS, Juan F. et al., "A Practical Application of Graphics Recognition: Helping with the Extraction of Information from Telephone Company Drawings", NYNEX Science and Technology, pgs. 273-279.
	CHEN, Jiun-Lin, "An Efficient Algorithm for Form Structure Extraction Using Strip Projection", Pattern Recognition, Vol. 31, No. 9, 1998, pgs. 1353-1368.
	LOPRESTI, Daniel et al., "Automated Table Processing: An (Opinionated) Survey", 3 <sup>rd</sup> IAPR Intl. Wkshp. On Graphics Recognition, 1999, pgs. 109-134.
	Syeda-Mahmood, Tanveer, "Extracting Indexing Keywords from Image Structures in Engineering Drawings", IEEE, July 1999, pgs. 471-474.
EXAMINER _____ DATE CONSIDERED _____	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION
						YES

  

OTHER DOCUMENTS	
(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	CHHABRA, Atul K. et al., "Detection of Horizontal Lines in Noisy Run Length Encoded Images: The FAST Method", NYNEX Science & Technology, pgs. 35-48.
	CASEY R. et al "Intelligent Forms Processing System", Machine Vision and Applications, Vol. 5, 1992, pgs. 143-155.
	SYEDA-MAHMOOD, Tanveer "Locating Indexing Structures in Engineering Drawing Databases Using Location Hashing", 1999 IEEE Computer Society Conference on Computer Vision and Pattern Recognition, Vol. 1, June 1999, pgs. 49-55.
EXAMINER _____ DATE CONSIDERED _____	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	